

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	358	(((aluminum near2 nitride) AlN) with ceramic) same (LED (light near2 emitt\$4)) and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 13:42
L2	18	(((aluminum near2 nitride) AlN) with ceramic) same (LED (light near2 emitt\$4)) same carrier and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 13:43
L3	3	(((aluminum near2 nitride) AlN) with ceramic) same (LED (light near2 emitt\$4)) same intermediate and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 13:59
L4	23	(((aluminum near2 nitride) AlN) with ceramic) same (LED (light near2 emitt\$4)) same (metal near2 substrate) and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:12
L5	30	((STEFAN) near2 (TASCH)).INV.	US-PGPUB; USPAT	OR	OFF	2011/11/02 14:25
L6	7	((HANS) near2 (HOSCHOPF)).INV.	US-PGPUB; USPAT	OR	OFF	2011/11/02 14:25
L7	32	(L5 L6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:25
L8	2	"10578362"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L9	101	"6498355"	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	OFF	2011/11/02 14:27

			JPO; DERWENT; IBM_TDB				
L10	2	"6498355".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27	
L11	2	"20040065894"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27	
L12	3953	(((aluminum near2 nitride) AlN) with ceramic) and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27	
L13	1630	(((aluminum near2 nitride) AlN) with ceramic with substrate) and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27	
L14	39	(((aluminum near2 nitride) AlN) with ceramic with substrate with (carrier submount)) and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27	
L15	13	(led near2 chip) with (fresnel near2 lens) and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27	
L16	5	(led) with (phosphor) with (fresnel) and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27	
L17	256	(led) with (phosphor) with (lens) and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27	
L18	160	(led) with (fresnel) and ("257" "438").clas.	US-PGPUB; USPAT;	OR	OFF	2011/11/02 14:27	

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
L19	26	(led near2 chip) with (fresnel) and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L20	56	(led near2 chip) with (phosphor) with lens and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L21	4	"10247965"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L22	52	(advantag\$5 benefit\$5 (better higher high improv\$6 increas\$5) near3 (speed quality efficiency) (highly near3 efficient) (lower\$5 low reduc\$6 decreas\$5) near3 (complex\$5 cost price) (saving near cost)) with (fresnel near2 lens) and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L23	39	(dome calotte) with (fresnel) with lens and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L24	45	((fresnel near2 lens) with thin\$4) and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L25	30	((STEFAN) near2 (TASCH)).INV.	US-PGPUB; USPAT	OR	OFF	2011/11/02 14:27
L26	7	((HANS) near2 (HOSCHOPF)).INV.	US-PGPUB; USPAT	OR	OFF	2011/11/02 14:27
L27	32	(L25 L26)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L28	2	"20010010449"	US-PGPUB; USPAT;	OR	OFF	2011/11/02 14:27

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
L29	2	"10578362"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L30	101	"6498355"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L31	2	"6498355".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L32	2	"20040065894"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L33	3953	(((aluminum near2 nitride) AlN) with ceramic) and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L34	1630	(((aluminum near2 nitride) AlN) with ceramic with substrate) and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L35	39	(((aluminum near2 nitride) AlN) with ceramic with substrate with (carrier submount)) and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L36	13	(led near2 chip) with (fresnel near2 lens) and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27

L37	5	(led) with (phosphor) with (fresnel) and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L38	256	(led) with (phosphor) with (lens) and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L39	160	(led) with (fresnel) and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L40	26	(led near2 chip) with (fresnel) and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L41	56	(led near2 chip) with (phosphor) with lens and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L42	4	"10247965"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L43	52	(advantag\$5 benefit\$5 (better higher high improv\$6 increas\$5) near3 (speed quality efficiency) (highly near3 efficient) (lower\$5 low reduc\$6 decreas\$5) near3 (complex\$5 cost price) (saving near cost)) with (fresnel near2 lens) and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L44	39	(dome calotte) with (fresnel) with lens and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L45	45	((fresnel near2 lens) with thin\$4) and ("257" "438").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	OFF	2011/11/02 14:27

## EAST Search History

			DERWENT; IBM_TDB			
L46	30	((STEFAN) near2 (TASCH)).INV.	US-PGPUB; USPAT	OR	OFF	2011/11/02 14:27
L47	7	((HANS) near2 (HOSCHOPF)).INV.	US-PGPUB; USPAT	OR	OFF	2011/11/02 14:27
L48	32	(L5 L6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27
L49	2	"20010010449"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/11/02 14:27

**EAST Search History (Interference)**

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